



Name _____

Quick Facts -

- In the future Waihi's mine pit will be filled and turned into a recreational lake.
- Before water is released from our mine back into rivers, it is clean enough to drink.
- When mining finished our waste rock embankment and tailings storage facility will be turned into a wetlands.
- During mining in Waihi we have planted over 500,00 native trees and shrubs.

Use one of the quick facts to make a poster on A4 paper illustrating one of these quick facts

Task—using the lake template from the resources area complete the design of the lake. Add a key and a range of features that would make a recreational lake a real asset to the town. You may include a swimming pontoon, a fishing shop etc.

Just remember. NO motorised crafts.

Waihi Mining and the Environment

E C P K C O R X I M N P A L E E U E X A
E S X M Q F M O M M N L R V S N R E W N
M K U Z H N M U Q U E A Y E B A E D J S
H N D E A E U A J L O N I F J T C P F Y
J Z Q H R Q G R R H R T N O D I Y R K U
K V P K W S I D O E S S Z O P V C E N N
S D N A L T E W G K F M J I I E L D P W
D B W V E R I R U A K J R G L T E D Y J
G F U B E H A L V Y D U U K E R G A X G
F N L D L S V G C Z M Y N U G E S L C T
M H U L S O M I N E P I T R Q E N H F N
B C G I J J G Z N J R W O M P S V S D J
E F N H K B F I K E T U Z W S W B I D J
R G X N W G H X T Y N M I X M G N F O R
O N J F I O T A B D X D O T T E R E L Q
T H V V N K W C U H S B F C G Y F R J G
I H M Z N F H B X M L K Q G A O D R N H
N W P K B H H G Z W K B O X J L A K E K
O D S I L T P O N D S U M H B G P Q I B
M D H Y H O Q E D P U T C D F X E L C P

KAURI
LAKE
MINEPIT
ROCK
UNDERGROUND
NATIVE TREES
PLANTS
WATER
OHINEMURI
REGRASSING
WETLANDS
SILT POND
DOTTEREL
REDUCE
REUSE
RECYCLE
FISH LADDER
MONITOR

Current



Future



The Environment and Mining in Waihi



Current Waste Rock Embankments



Future - Wetlands



Raparian Planting

Re-cycle, Re-use and Reduce

At Newmont Waihi Gold we have a positive water balance meaning we have more than we need. To ensure water is kept clean we have built a water treatment plant worth over 11 million dollars.

We **reduce** water by changing its course away from our mine site where possible.

Reuse water for our truck washes and also on our haul roads to keep dust down.

Recycle water from our tailing storage facility to our water treatment plant where we clean it and release it back into the river.

Task: Create a 3D picture using A3 card to show how Newmont reduces, recycles and reuses water.

Create a brochure about recycling, reusing and reducing water. In your brochure include the ways Newmont does this and also the ways you could do this at home.

From Waste Rock to Wetlands

When we finish our waste rock embankments we are going to partially cap these and turn them into a wetlands planting marshy boggy plants. One way to check whether an environment is healthy is by looking at all the wildlife that lives there.

Draw a picture of the current waste rock embankment and draw on the following wildlife that we see living there. NZ Dotterel, Mallard ducks, eels, Australian plover, Black swans, black backed gulls

Further student wetland activities can be found at www.doc.govt.nz/conservation/land-and-freshwater/wetlands/resources/information-sheets/